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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/768,939	01/23/2001	Bronwyn C. Rice	RIE600	9740	
:	7590 08/01/2005	•	EXAM	INER	
Ingrid McTag			GRAYSAY, TAMARA L		
534 S. E. 58TI PORTLAND.	1 AVENUE OR 97215-1824		ART UNIT	PAPER NUMBER	
,			3623		
٠.			DATE MAILED: 08/01/200	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)
	Office Author Commence	09/768,939	RICE, BRONWYN C.
	Office Action Summary	Examiner	Art Unit
		Tamara L. Graysay	3623
 Period for	The MAILING DATE of this communication app Reply	pears on the cover sheet with the c	orrespondence address
THE M - Extens after S - If the p - If NO p - Failure Any re	PRTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. Sions of time may be available under the provisions of 37 CFR 1.13 (b) MONTHS from the mailing date of this communication. Deriod for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period verto reply within the set or extended period for reply will, by statute uply received by the Office later than three months after the mailing dipatent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
Status			
1) 🔲 1	Responsive to communication(s) filed on		
2a)⊠ ¯	This action is FINAL . 2b) ☐ This	action is non-final.	
3) 🗌 🦇	Since this application is in condition for allowa	nce except for formal matters, pro	esecution as to the merits is
(closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.
Disposition	on of Claims		
4)🛛 (Claim(s) 8-13 and 21-27 is/are pending in the	application.	
4	a) Of the above claim(s) is/are withdraw	wn from consideration.	
5) 🗌 (Claim(s) is/are allowed.		
6)⊠ (Claim(s) <u>8-13 and 21-27</u> is/are rejected.		
	Claim(s) is/are objected to.		
8)(Claim(s) are subject to restriction and/o	or election requirement.	
Application	on Papers		
9)□ T	The specification is objected to by the Examine	er.	
10)□ T	Γhe drawing(s) filed on is/are: a)∏ acc	epted or b) objected to by the	Examiner.
	Applicant may not request that any objection to the	• • • • • • • • • • • • • • • • • • • •	
	Replacement drawing sheet(s) including the correct		
11)[7	The oath or declaration is objected to by the Ex	xaminer. Note the attached Office	Action or form PTO-152.
Priority u	nder 35 U.S.C. § 119	•	
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of:		on No ed in this National Stage ed.
	1. Certified copies of the priority document		
	2. Certified copies of the priority document3. Copies of the certified copies of the priority		on No
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* S	ee the attached detailed Office action for a list		ed.
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Attachment	(s)		(PTO-413) ate Patent Application (PTO-152)
	e of References Cited (PTO-892)	4) Interview Summary	(PTO-413)
	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	,	Patent Application (PTO-152)
	No(s)/Mail Date	6) Other:	

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 1. Claims 8-13 and 21-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Starkey (US-6745200) in view of White (book, How computers work).

NOTE: The recitation of nonfunctional descriptive material, which is directed to the content of information, not structure or an action or step, does not render nonobvious that which is otherwise obvious.

a. Regarding claims 8, 10, and 12 Starkey discloses a communication system having several databases (modules). The first client database (resident component of People Module 205, e.g., C.5, L.15-20) includes information related to a first client user (resident) including dietary preferences (preferences of the residents and exhaustive definition of the personal needs and desires of the residents, e.g., C.9, L.19-35; resident's medical needs, C.9, L.30); a second chef database (staff component of People Module 205, e.g., C.5, L.20-27) including information about the cook (style of cooking, C.9, L.39-60); and, a communication apparatus (a computer system architecture including a local area network or wide area network, e.g., C.3, L.16 – C.4, L.55) that allows the users to access the information contained within the databases.

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Starkey is not specific as to the information that is entered into the second chef database (staff component of the People Module 205) as it relates to the chef or cooking staff.

However, Starkey does read that the Standards Module 206 includes cooking style (C.9, L.39-60). The fact that a cooking style can be selected for a particular planned event would teach that a specific cooking style would be available to the user who is planning the event.

Therefore, it would have been obvious to modify the chef (staff) information of Starkey to include the particular training and cooking style of the cooking staff or chef in order to accommodate a particular preference of cooking style that is preferred by a client or resident, or required for a particular event that is planned.

Although Starkey is for a first client user and a second chef user being at the same location (estate household, e.g., C.2, L.38-48; C.5, L.1), the claimed plurality of locations accessible by more than one type of user is simply a computer network. A computer network is an old and well known expedient as evidenced by White.

White teaches a plurality of computers connected via a network, i.e., a local network or Internet to permit access to information from various locations by various users.

Therefore, it would have been obvious to modify the personal computer of Starkey to include a network of computers, having software, for accessing information stored in a computer system at various locations in the facility, not just a single location for the purpose of user convenience.

b. Regarding claim 9, the Starkey communication system includes scheduling software (Events Module 204).

- Regarding claim 11, Starkey discloses a Guest Visit Example (C.11, L.16-54) in order to demonstrate an Event 204 (which includes a series of activities). The activities are subdivided into components that are planned by cross-correlation of the information contained in the various databases (Modules). The food element of an event is described as having an impact on a cook and purchaser, for example. Also, regarding claim 11, the personal preferences and food type are cross-correlated with an inventory database (the supplies on hand) for example. Further, regarding claim 11, Starkey discloses that the communication system includes an inventory database (Household Inventory Module 202, e.g., C.5, L.42) that includes the contents (C.8, L.47-57) at the estate.
- d. Regarding claim 13, Starkey discloses a modem 154, which infers use of a telephone for accessing the network on which the communication system operates.
- e. Regarding claim 21, Starkey discloses hardware, i.e., a persona computer.
- f. Regarding claim 22, Starkey discloses at least one software program, i.e., Events Module 204.

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- g. Regarding claims 23, 24, and 27, the claimed computer network and software is met by the Starkey and White combination as discussed with regard to claims 8 and 10, above.
- h. Regarding claim 25, the examiner takes Official notice that the number of computers and their association to each other (set(s) of computers) is a matter of design choice that is within the level of ordinary skill of an information technology designer in the information technology field of endeavor. A reason for using such a design choice would be based on the user authority level, a user characteristic, or any other feature. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the computer network of Starkey and White, as applied to claim 23 above to include a set of computers for each group of users, in order to simplify formatting of the information and accessibility of the information stored in the computer system.
- i. Regarding claim 26, White further teaches the use of a hub network system that includes a central station connecting to several nodes (p.336-337). An administrator would use this type of arrangement, for example, to control flow of information or data among the nodes or computers. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the computer system of Starkey and White to include a central computer at a third location in order to provide administration to control information that is passed among the computer users.

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Response to Arguments

Applicant's arguments with respect to claims 8-13 and 21-27 have been considered but 2. are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this 3. Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tamara L. Graysay whose telephone number is (571) 272-6728. The examiner can normally be reached on Mon - Fri from \$2.20cm to 6.00 MONTHS of the mailing date of this final action and the advisory action is not mailed until after

The examiner can normally be reached on Mon - Fri from 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq Hafiz, can be reached on (571) 272-6729. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

tlg

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SUSANNA M. DIAZ PRIMARY EXAMINER

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Notice of References Cited Application/Control No. 09/768,939 Examiner Tamara L. Graysay Applicant(s)/Patent Under Reexamination RICE, BRONWYN C. Page 1 of 1

U.S. PATENT DOCUMENTS

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	Α	US-			
	В	US-			
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

		NON-FATENT DOCUMENTS	<u> </u>
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)	
	U	White, How computers work, millennium edition, 1999, ch.37, p.330-339 (6 pages)	
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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and those who come after For Shannon and Michael who always ask questions. Thank goodness for children

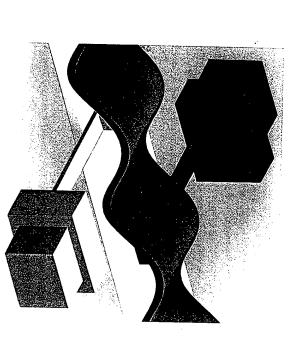


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How Local Area Networks Work



A local area network (LAN) is, for many people, the entry point to the Internet. A LAN physically links several PCs to each other and often to a mainframe or minicomputer. This is accomplished with a variety of materials—twisted-wire cables, fiber optics, phone lines, and even infrared light and radio signals.

Whatever the technology, the goal is the same—to send data from one place to another. Most often the data is in the form of a message from one computer to another. The message may be a query for data, the reply to another PC's data request, an instruction to run a program that's stored on the network, or a message to be forwarded to the Internet.

If the data or program that the message asks for isn't on the Internet, it may be stored on a PC used by a coworker on the network, or on a file server, which is a specialized computer. A file server is usually a high-performance PC with a large hard drive that is not used exclusively by any individual on the network. Instead, it exists only to serve all the other PCs using the network—called clients—by providing a common place to store data that can be retrieved as rapidly as possible by the clients. Similarly, a network may include an Internet server that links the LAN to the Net, CD-ROM jukebox servers, or print servers that everyone on the LAN can use for printing. A print server is a PC connected to a printer, or it's network printer that can be connected to a network without an intervening PC.

If a network does not have a dedicated server, it is a peer-to-peer network. In a peer-to-peer network, each individual's PC acts as a server to other PCs—its peers—on the network and is also a client to all its peers acting as servers.

The network must receive requests for access to it from individual PCs, or nodes, linked to the network, and the network must have a way of handling simultaneous requests for its services. Once a PC has the services of the network, the network needs a way of sending a message from one PC to another so that it's only recognized by the node it's intended for and doesn't pop up on some other unsuspecting PC. And the network must do all this as quickly as possible while spreading its services as evenly as possible among all the nodes on the LAN.

In this chapter we'll look at the most common types of network, and the works of the most common LAN configuration, etherner.

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How Servers, Clients, and Peer-to-Peer Work

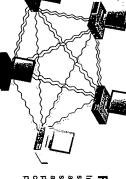
Client-Server Networks

A local area network (LAM) is made up of nodes, usually two or more computers in the same building that are linked together with ers. In a dilent sprear network, one central computer is the file server. The server bonning programs and data files that can be accessed by other computers in the network. Servers are often faster and more powerful than personal computers, running a network objection or NOS, such as Windows T. Unix, Linux or Novell Network's security by maintaining lists of users, their passwords, and the drives and directories for users, their passwords, and the drives and directories for which a user has been given access privileges. A server is also called a host computer. wires or radio signals so that files can move among the comput-









Peer-to-Peer Networks

same time, all computers on the networks act as clients to all the other PCs. This is the simplest type of network to install. Windows 98 comes with the software to set up a peer-toact as servers to every other node. At the In a peer-to-peer network, there is no central peer network. server. Instead, all computers on the network

ide-Area Network (WAN)

in components of a network are spread among veril buildings, it becomes a wide-area network curies of the network in different locations may be inneared by phone lines. T-1 or T-3 connections, and the placed phone lines, microwaves, or the internet it is an approximate the placed phone lines. connected together directly. inong Internet-connected PCs that look as if they were if One way to use the Internet for a WAN is rough Windows' Virtual Private Network, soft-



How Networks Connect

Clients (nodes)



-Print server (node)

Each tilent and server on either a peer-to-peer network or a server-based network makes a connection through a network interface card (NIO). The most common type of NIC is an Ethernet eard. Ethernet is not a single product, but common type of NIC is an Ethernet eard. Ethernet is not a single product, but care a technical standard developed for network communications by Yerox, rather a technical standard developed for network communications by Yerox, DEC, and Intel. and adopted by the rest of the computer community. The most DEC, and Intel. and adopted by the rest of the computer community. The most DEC, and Intel. and adopted by the rest of the computer year of 100 per second, Gigabit Ethernet, atthough not yet common, provides up to 1,000 a second, Gigabit Ethernet, atthough not yet common, provides up to 1,000 a second, Gigabit Ethernet, atthough not yet common, provides up to 1,000 a second, Gigabit Ethernet, atthough not yet common, provides up to 1,000 as second. Gigabit Ethernet, atthough not yet common, provides up to 1,000 as second. Gigabit Ethernet, atthough not yet common, provides up to 1,000 as second. Gigabit Ethernet, atthough not yet common, provides up to 1,000 as second. Gigabit ethernet, atthough not yet common, provides up to 1,000 as second. Gigabit ethernet, atthough not yet common, provides up to 1,000 as second. Gigabit ethernet, atthough not yet common, provides up to 1,000 as second. Gigabit ethernet, atthough not yet common, provides up to 1,000 as second. Gigabit ethernet, atthough not yet common, provides up to 1,000 as second. The provides up to 1,000 as second. The provides up to 1,000 as second. Gigabit ethernet, atthough not yet common, provides up to 1,000 as second. The provides up to 1,000 as second. The provides up to 1,000 as second. The provides up to 1,000 as second. rigged through a serial port or universal serial port, but this is not yet common.)

Coaxial connector

along BNC coaxial cable, like that fact you will not be quizzed on.) Coaxial cable is most often found in stands for Bayonet Neil-Concelman, a used for cable television cable. (BNC 10BASE-T, peer-to-peer networks.

Coaxial Cable



Color-coded insulation

Twisted-Pair Wiring

Or, the NIC may be connected along twisted-pair wire through a R.1.45 connector, which resembles the common R.1.1 phone jack (R.1 stands for registered jack.) An outer jacket encloses four pairs of intered jack.) An outer jacket encloses four pairs of intered with a different number sulated wire that are twisted with a different number of turns per inch. The twists cancel out electrical noise from adjacent pairs of wire and from motors and other electrical devices in the same building.







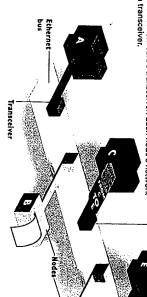
Each node on the network has a separate twisted-par travel to any other node on the network. Any one of the connections may be broken without affecting other notes. Twisted-pair connections may be either 10BASE-T or 100BASE-T. Other ways of connecting device that lets the signals from any one computer cable that connects the computer to a cental hub, a isting phone and electrical wiring. computers in a network include optical cable, and ex-

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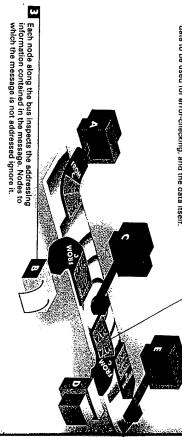
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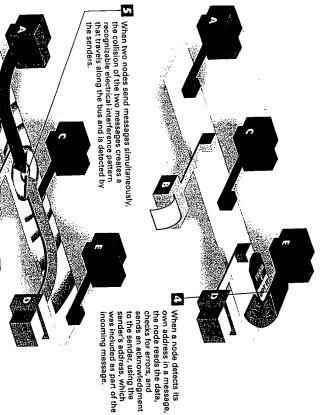


All nodes, clients and servers, on an Ethernet network—also called a bus network—are attached to the LAN as branches off a common line. Each node has a unique address. When a node—a PC, file server, or print server—needs to send data to another node, it sends the data, or messages, through a network card installed in an expansion slot. The card listens to make sure that no other signals are being transmitted allong the network, it then sends its message to another node through the network card's transceiver. Each node's network connection has its own transceiver.



2 The transceiver broadcasts the message in both directions so that it will reach all other nodes on the network. The message includes the addresses of the message's destination and source, packets of data to be used for error-checking, and the data itself.





The first sender to detect a collision sends a special signal that jams the network so that all nodes will know that the network is blocked. Transmissions from all nodes are halted, and each node waits a random length of time before trying to resend its message. The process repeats itself until one of the

nodes sends its message without en countering another node's

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STAVE TELEVISION FROM THE VEHICLE STATES TO STATE STATES.

How a Hub Network Works

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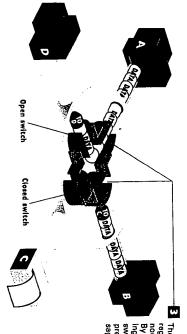




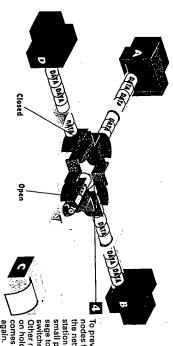
A node sends to the central station a message that includes the address of the node for which the message is intended and the data and error-checking

code. More than one node can originate a message at the



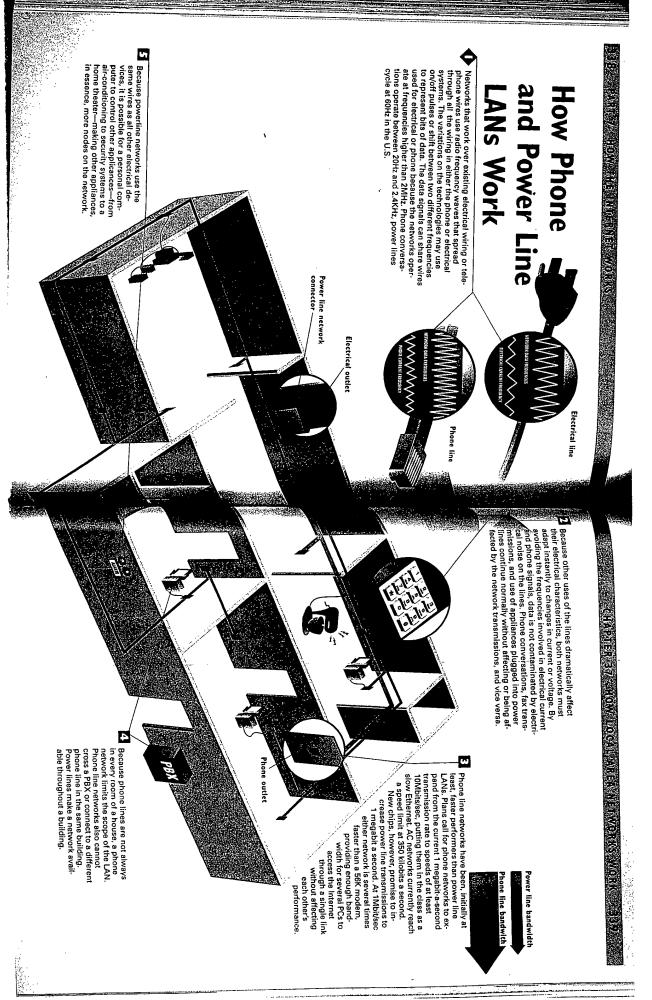






To prevent any one of the nodes from monopolizing the network, the switching station allows only a small portion of one message to pass through the switches at one time. Other messages are put on hold until the station comes around to them again.

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NEW CENTRAL FAX NUMBER

Effective July 15, 2005

On <u>July 15, 2005</u>, the Central FAX Number will change to **571-273-8300**. This new Central FAX Number is the result of relocating the Central FAX server to the Office's Alexandria, Virginia campus.

Most facsimile-transmitted patent application related correspondence is required to be sent to the Central FAX Number. To give customers time to adjust to the new Central FAX Number, faxes sent to the old number (703-872-9306) will be routed to the new number until September 15, 2005. After September 15, 2005, the old number will no longer be in service and 571-273-8300 will be the only facsimile number recognized for "centralized delivery".

CENTRALIZED DELIVERY POLICY: For patent related correspondence, hand carry deliveries must be made to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314), and facsimile transmissions must be sent to the Central FAX number, unless an exception applies. For example, if the examiner has rejected claims in a regular U.S. patent application, and the reply to the examiner's Office action is desired to be transmitted by facsimile rather than mailed, the reply must be sent to the Central FAX Number.

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